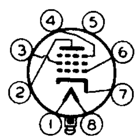
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TRIPLE-GRID DETECTOR AMPLIFIER

Heater■	Coated Unipotential Cathode	
Voltage	6.3□	a-c or d-c volts
Current	0.15□□	amp.
Direct Interelectrode Capacitances:○		
Grid to Plate	0.007 max.	μμf
Input	5.5	μμf
Output	6.5	μμf
Maximum Overall Length		2-25/32"
Maximum Seated Height		2-1/4"
Maximum Diameter		1-3/16"
Bulb		T-9
Base		Lock-in 8-Pin

Pin 1 - Heater
Pin 2 - Plate
Pin 3 - Screen
Pin 4 - Suppressor
Pin 5 - Internal Shield



BOTTOM VIEW (8V)

Pin 6 - Grid
Pin 7 - Cathode
Pin 8 - Heater
Plug - Base Shell

Mounting Position: Any

AMPLIFIER

Plate Voltage	300 max.	volts
Screen Voltage	100 max.	volts
Screen Supply Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	1.0 max.	watt
Screen Dissipation	0.1 max.	watt

Typical Operation and Characteristics - Class A, Amplifier:

Plate	100	250	volts
Screen	100	100	volts
Grid	-3	-3	volts
Suppressor	Connected to cathode at socket		
Internal Shield	Connected to cathode at socket		
Plate Res. (approx.)	1.2	2	megohms
Transconductance	1225	1300	μmhos
Plate Cur.	1.8	2	ma.
Screen Cur.	0.4	0.5	ma.

■ In circuits where the cathode is not directly connected to the heater the potential difference between heater and cathode should be kept as low as possible.
□ Nominal voltage = 7 volts.
□□ Nominal current = 0.16 ampere.
○ With close-fitting shell connected to cathode.

May 15, 1940 TENTATIVE DATA

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.